

# Imation Ultrium LTO® 6 Tape Cartridges

## More than twice the compressed capacity of the previous generation

Imation® LTO 6 tape cartridges continue the incredible capacity growth of the LTO® line, which has increased cartridge capacity by a factor of 30 since the launch of LTO 1 in 2001. LTO 6 also extends the rapidly increasing transfer rates of LTO technology, which have increased by a factor of 13—enabling an LTO 6 drive to write the equivalent of an LTO 1 cartridge every 11 minutes. Featuring 2.5TB of native storage (6.25TB of compressed storage) and data transfer rates of up to 400MB/second, Imation Ultrium LTO 6 tape cartridges deliver powerful improvements over prior generations.

Imation Ultrium LTO 6 tape cartridges also include a partitioning functionality that enables the use of the Linear Tape File System (LTFS). LTFS provides familiar drag-and-drop capability and lets users easily see what information is stored on the tape. This feature also enables nearline applications to index data and allows for faster searches via enhanced file control and space management.

Purpose-built for long service intervals (30 years estimated archival life) and heavy-duty use (20,000 load/unload cycles), Imation LTO 6 tape cartridges include a limited lifetime warranty.



Imation Ultrium LTO® 6 Tape Cartridge

## Features + Benefits

### Highest Capacity and Performance to Date

LTO 6 delivers more than double the compressed capacity (6.25TB with 2.5:1 compression) of the previous generation of LTO cartridges, and up to 400MB/sec data transfer rate (with 2.5:1 compression).

### Partitioning

The partitioning functionality of Imation Ultrium LTO 6 tape cartridges enables use of LTFS, which facilitates enhanced file control and space management to meet the growing storage needs of today's capacity-intensive marketplace.

### Security and Protection

Ultrium LTO 6 drives are the third generation to offer hardware-based 256-bit data encryption, providing the highest level of security without any loss of performance; WORM (Write Once Read Many) cartridges are also available.

### Exceptional Performance and Quality

An Imation proprietary servo-writing process optimizes tape tracking and helps ensure accurate read/write operations, enabling best-in-class Position Error Signal (PES) performance to minimize servo off-track errors and improve overall transfer rates. This results in servo performance that far exceeds the requirements for LTO 6, and lays the groundwork for even more advanced tape generations.

### Robust Cartridge Construction

The Imation patented corner snap keeps the leader pin in place and the cartridge tightly closed to prevent error-causing debris from entering the cartridge, thus helping to ensure that the tape flows evenly for maximum read/write capability.

The unique three-piece tape spool design distributes stress more evenly over the tape compared to two-piece spools. This cartridge construction keeps the tape flat, helping protect data across the entire tape.

## Ultrium LTO® 6 Tape Cartridge Specifications

<i>Tape Length</i>	846 m
<i>Tape Thickness</i>	6.4 µm
<i>No. Data Tracks</i>	2176
<i>Capacity (nat)</i>	2.5TB
<i>Capacity (comp)</i>	6.25TB
<i>Data Trans. Rate</i>	400MB/sec (compressed)
<i>Cartridge color</i>	Black
<i>Tape Width</i>	12.65mm
<i>Cartridge Dimensions (W x L x H)</i>	105.4 x 102 x 21.5mm
<i>Estimated Archival Life</i>	30 Years
<i>Load/Unload Cycles</i>	20,000

ORDERING UPC	DESCRIPTION
29080	Imation Ultrium LTO 6 Cartridge with Case
29078	Imation Ultrium LTO 6 Cartridge Labeled with Case
29081	Imation Ultrium LTO 6 Cartridge without Case
29082	Imation Ultrium LTO 6 Cartridge Labeled without Case
29132	Imation Ultrium LTO 6 Cartridge RFID Labeled with Case
29133	Imation Ultrium LTO 6 WORM Cartridge with Case
15931	Imation Ultrium LTO Universal Cleaning Cartridge
16397	Imation Ultrium LTO Universal Cleaning Cartridge Labeled

*Product availability may vary by region.*

# imation

**Questions? Contact us at:**

**Phone: 800-888-2700**

**Website: [www.imation.com](http://www.imation.com)**

**imation.com**

© Imation Corp. Imation Enterprises Corp, 1 Imation Way Oakdale, MN 55128.3414 Ph: 651.704.4000 Fax: 651.537.4675 [www.imation.com](http://www.imation.com)  
Imation and the Imation logo are trademarks of Imation Corp. Linear Tape-Open, LTO, the LTO Logo, Ultrium and the Ultrium Logo are registered trademarks of HP, IBM and Quantum in the US and other countries.  
All other trademarks are the property of their respective owners. 52.0003.9522.9 (12.05.12)